

Product Code No.

# Product Code

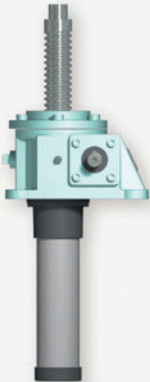
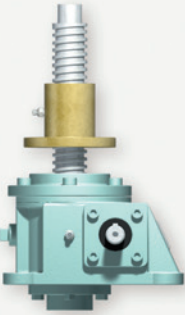
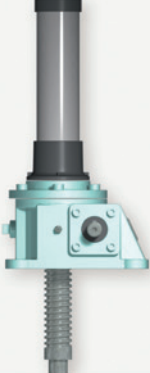
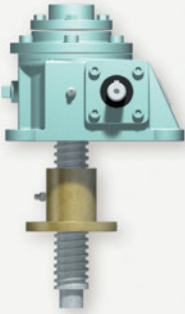
While offering wide-ranged jacks, we are using 13-digit product codes to identify a specific jack. Please use the product code, when you contact us.

# J2G HUK

How to Use This Catalog

Jack series/size code			
Series/Size Code	(Capacity : kN)	H	L
RMG,RMY	(2)	3	-
RSG,RSY	(5)	5	24
JOG,JOY	(10)	5	24
J1G	(25)	6	24
J2G	(50)	6	24
J3G	(100)	8	24
JGA	(150)	8	24
J4A	(200)	8	24
J5A	(300)	10 <sup>2/3</sup>	32
J6A	(500)	10 <sup>2/3</sup>	32
JFA	(750)	10 <sup>2/3</sup>	38
J7A	(1000)	12 <sup>2/3</sup>	36
RSB,RSF	(4)	5	24
JOB,JOF	(10)	5	24
J1B,J1F	(25)	6	24
J2B,J2F	(50)	6	24
J3B,J3F	(100)	8	24
J4B,J4F	(200)	8	24
J5B	(300)	10 <sup>2/3</sup>	32
J6B	(500)	10 <sup>2/3</sup>	32
JFB	(750)	10 <sup>2/3</sup>	38
J7B	(1000)	12 <sup>2/3</sup>	36
RMS	(2)	3	-
RSS	(5)	5	24
JMR	(2)	-	-
JSR	(4)	-	-
JSH	(5)	3	-
JOH	(10)	3	-
J1H	(25)	3.64	-
J2H	(50)	4	-

**Worm gear ratio**  
Some models do not have "L" type.  
For rack jacks, always indicate as "H".

Profile		Profile	
Translating		Traveling nut type	
U Upright		U Upright	
I Inverted		I Inverted	

**Lifting screw spec.**

N Without anti-rotation key

K With anti-rotation key

**Lifting screw spec.**

T Traveling nut type

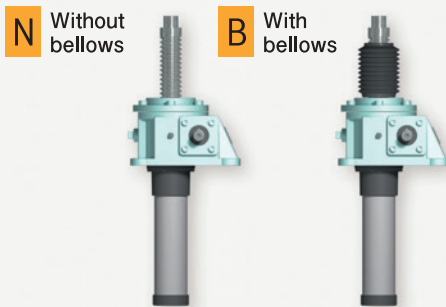
**Example:**

“J2GHUK0600BCE” refers to J2G series screw jack, with the worm gear ratio of 6, inverted, with the anti-rotation key, stroke length of 600 mm, with bellows, with clevis, and with RC encoder.

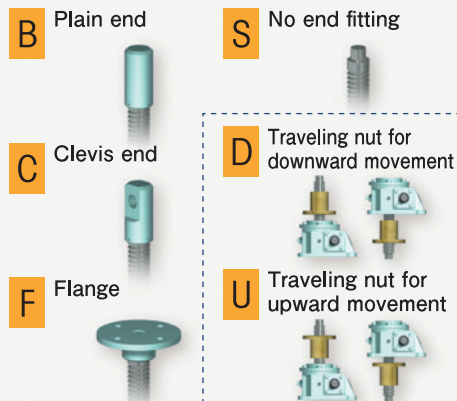
## 0600 BCE

**Stroke length**  
4-digit in mm

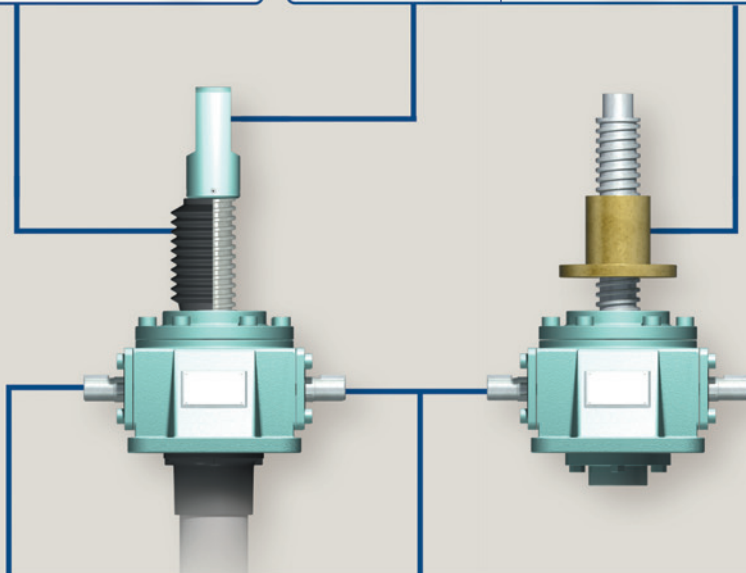
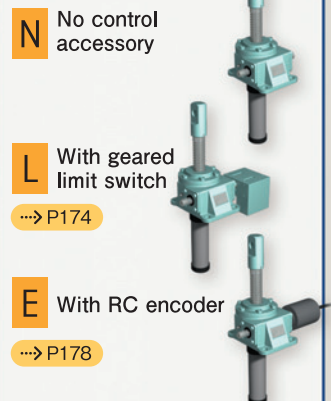
**Dustproof bellows**



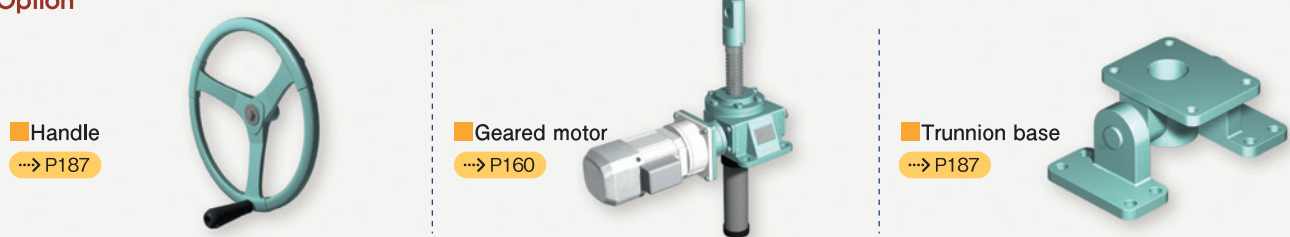
**End fittings / Orientation of traveling nut**  
※“U” and “D” are traveling nut only.



**Control accessories**



**Option**



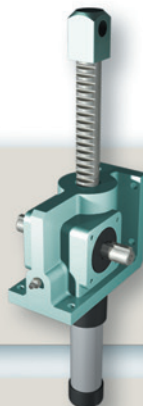
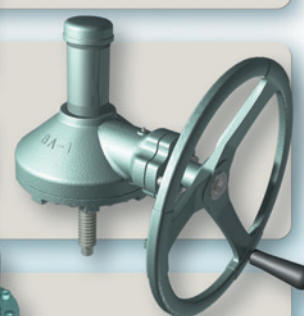
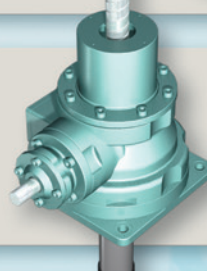
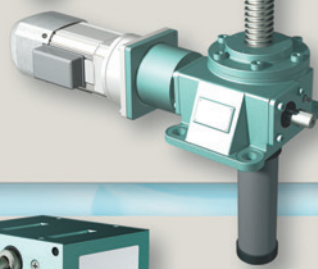
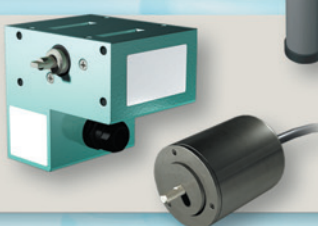
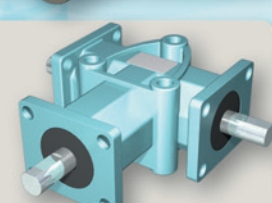
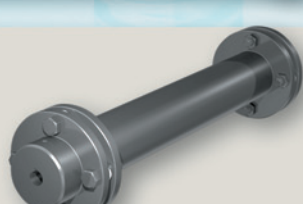
Product Line-up

# List of Jack Models

How to Use This Catalog

01	<p>■ 01/ Small Screw Jack</p> <h3>Small Screw Jack</h3> <p><b>2, 5kN</b> Trapezoidal screw, small type</p> <p>•RMG •RSG</p>	<p>Trapezoidal screw Standard lead</p> <p>With self-locking function</p>	
02	<p>■ 02/ Screw Jack</p> <h3>Screw Jack</h3> <p><b>10~1000kN</b> Trapezoidal screw, standard type</p> <p>•J0G~J3G •JGA~J7A</p>	<p>Trapezoidal screw Standard lead</p> <p>With self-locking function</p>	
03	<p>■ 03/ Ball Small Jack</p> <h3>Ball Small Jack</h3> <p><b>4kN</b> Ball screw, small type</p> <p>•RSB</p>	<p>Ball screw Standard lead</p> <p>Without self-locking function</p>	
04	<p>■ 04/ Ball Screw Jack</p> <h3>Ball Screw Jack</h3> <p><b>10~1000kN</b> Ball screw, standard type</p> <p>•JOB~J7B</p>	<p>Ball screw Standard lead</p> <p>Without self-locking function</p>	
05	<p>■ 05/ High-Head Screw Jack</p> <h3>High-Lead Screw Jack</h3> <p><b>2~10kN</b> Trapezoidal screw, high-speed type</p> <p>•RMY •RSY •JOY</p>	<p>Trapezoidal screw High lead</p> <p>Without self-locking function</p>	
06	<p>■ 06/ High-Head Ball Screw Jack</p> <h3>High-Lead Ball Screw Jack</h3> <p><b>4~200kN</b> Ball screw, high-speed type</p> <p>•RSF~J4F</p>	<p>Ball screw High lead</p> <p>Without self-locking function</p>	
07	<p>■ 07/ Smoothy Screw Jack</p> <h3>Smoothy Screw Jack</h3> <p><b>2, 5kN</b> SUS screw + engineering plastic gear</p> <p>•RMS •RSS</p>	<p>Special screw Standard lead</p> <p>Without self-locking function</p>	



08	<p>■ 08/ Rack Jack</p> <h2>Rack Jack</h2> <p><b>2, 4kN</b> High efficiency</p> <p>•JMR •JSR</p>	<p>Rack shaft Pinion</p> <p>Without self-locking function</p>	
09	<p>■ 09/ Bevel Gear Type Jack</p> <h2>Bevel Gear Type Jack</h2> <p><b>10~300kN</b></p> <p>•BAD0C~BA25A</p>	<p>Trapezoidal screw Standard lead</p> <p>With self-locking function</p>	
10	<p>■ 10/ Hi Speed Jack</p> <h2>Hi-Speed Jack</h2> <p><b>5~50kN</b> High-speed, high duty cycle</p> <p>•JSH~J2H</p>	<p>Ball screw High lead</p> <p>Without self-locking function</p>	
11	<p>■ 11/ Geared Motor Jack</p> <h2>Geared Motor Jack</h2> <p>Motor capacity : 0.1~3.7kN Geared motor reduction ratio : <math>i = 3, 5, 10</math></p>	<p>Jack with the built-in geared motor</p>	
12	<p>■ 12/ Option</p> <h2>Option</h2> <p>•Geared limit switch •Encoder •Handwheel •Trunnion base</p>	<p>Supporting the jacks</p>	
13	<p>■ 13/ Gearbox</p> <h2>Gear box</h2> <p>•K •KN</p>	<p>Gear box for interlocked jack system</p>	
14	<p>■ 14/ Coupling</p> <h2>Coupling</h2> <p>•SFS-W •SFS-G</p>	<p>Coupling for interlocked jack system</p>	



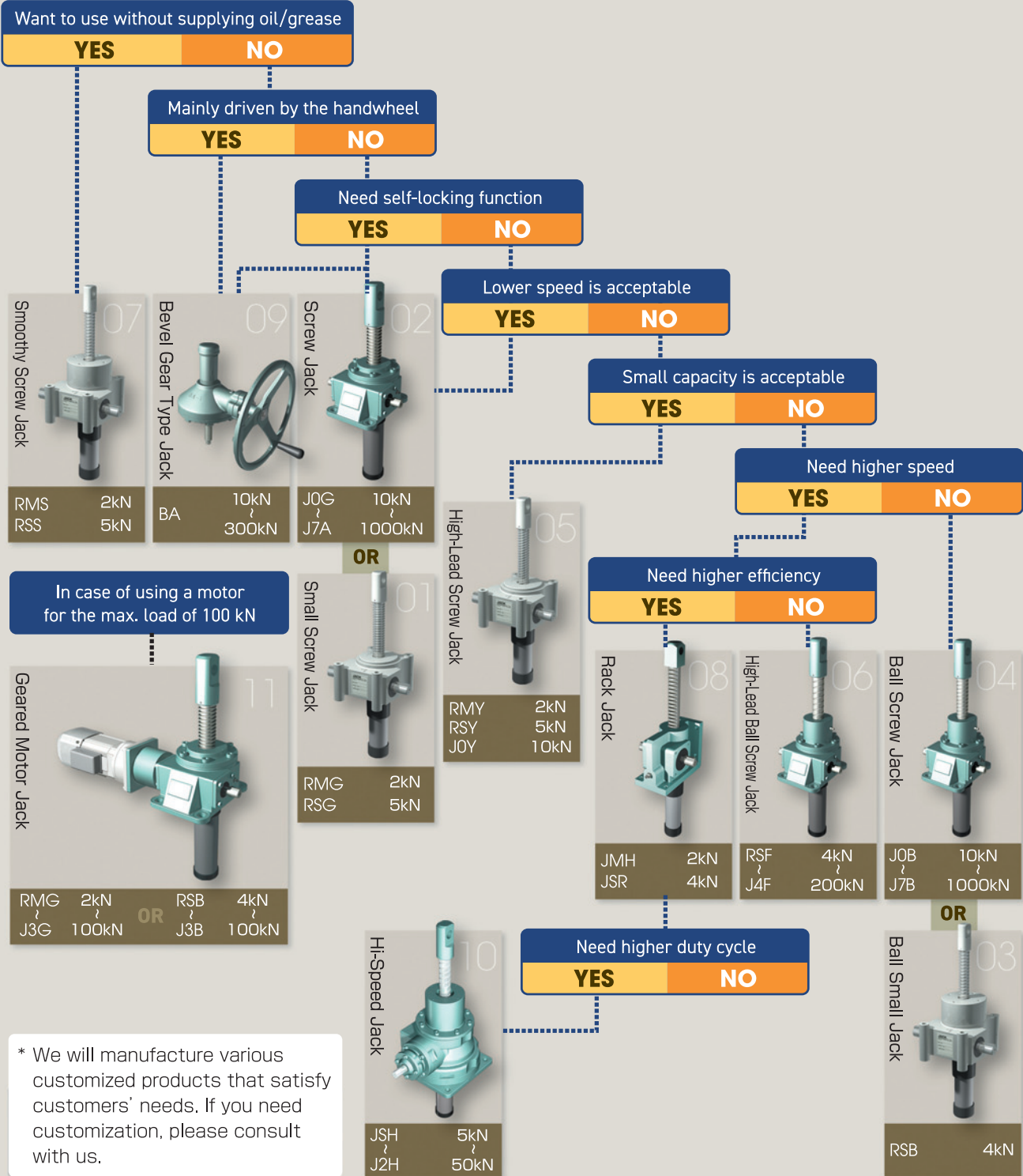
# Selection of Jack Series/Size

Nippon Gear's jack series consists of 11 categories.

The following chart shows our product lineup by intended use.

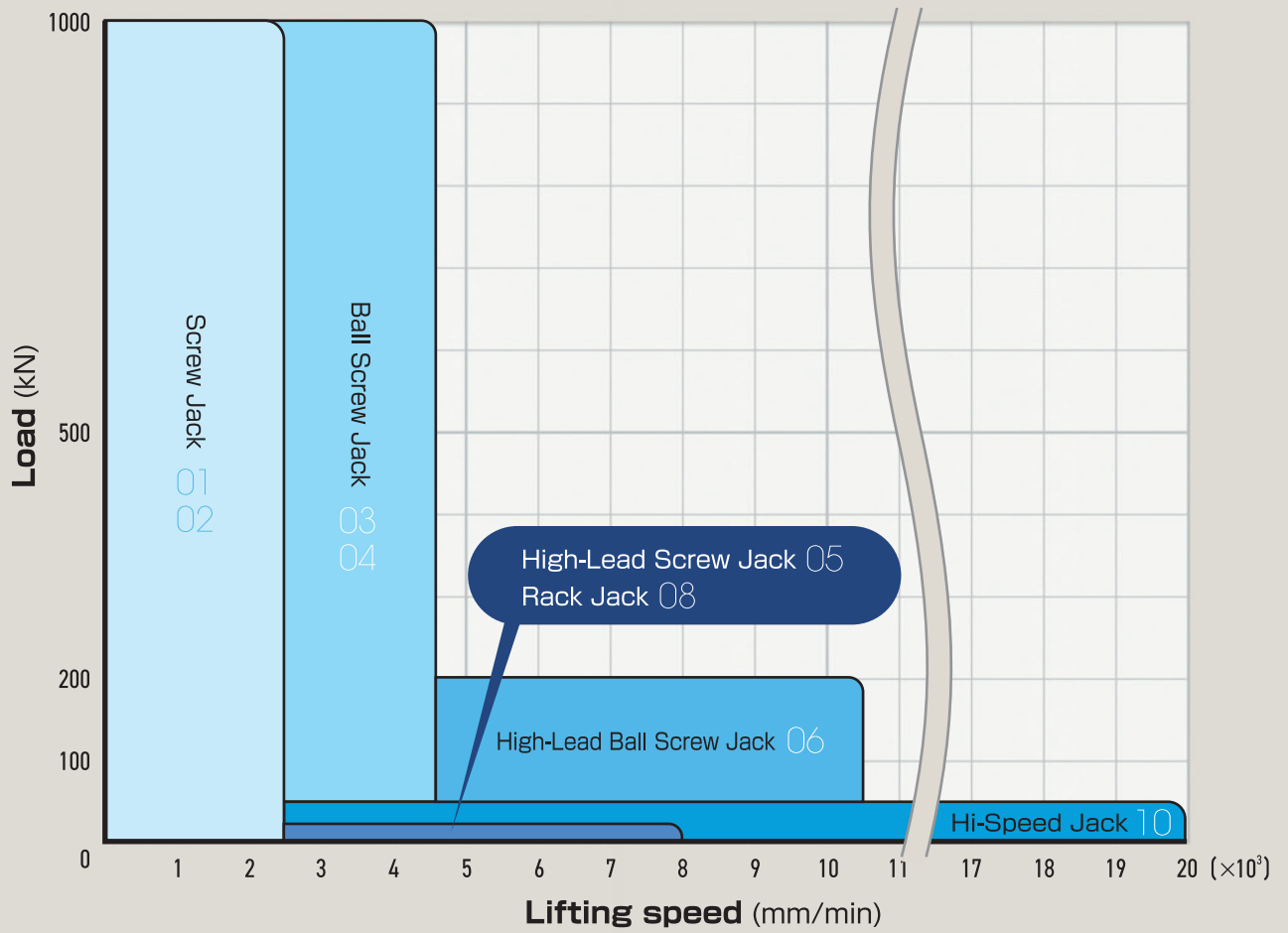
\* There are some overlaps in terms of performance. Please compare/consider jacks that satisfy your use conditions.

## Selection based on intended use



\* We will manufacture various customized products that satisfy customers' needs. If you need customization, please consult with us.

## Selection based on load and speed



■ For more details of the selection method, please refer to p.214.

# Inquiry Form about Jack: Required Specifications 1/2

Date: \_\_\_\_\_

<ul style="list-style-type: none"> <li>• Company Name:</li> <li>• Department:</li> <li>• Contact Person:</li> <li>• TEL</li> <li>• FAX</li> <li>• E-mail</li> </ul>	<ul style="list-style-type: none"> <li>• Customer Name:</li> <li>• User Name:</li> <li>• Machine Name:</li> <li>-Intended use:  <input type="checkbox"/> Lifting <input type="checkbox"/> Tilting <input type="checkbox"/> Pushing up <input type="checkbox"/> Opening/closing</li> <li>-Necessary function:  <input type="checkbox"/> Transfer <input type="checkbox"/> Adjustment <input type="checkbox"/> Holding <input type="checkbox"/> Constant quantity</li> </ul>
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Selected model / product code                  Quantity: \_\_\_\_\_ unit(s)

<ul style="list-style-type: none"> <li>• Required stroke: _____ mm</li> <li>• Worm gear ratio: i= _____</li> <li>• Screw lead: L= _____ mm</li> </ul>
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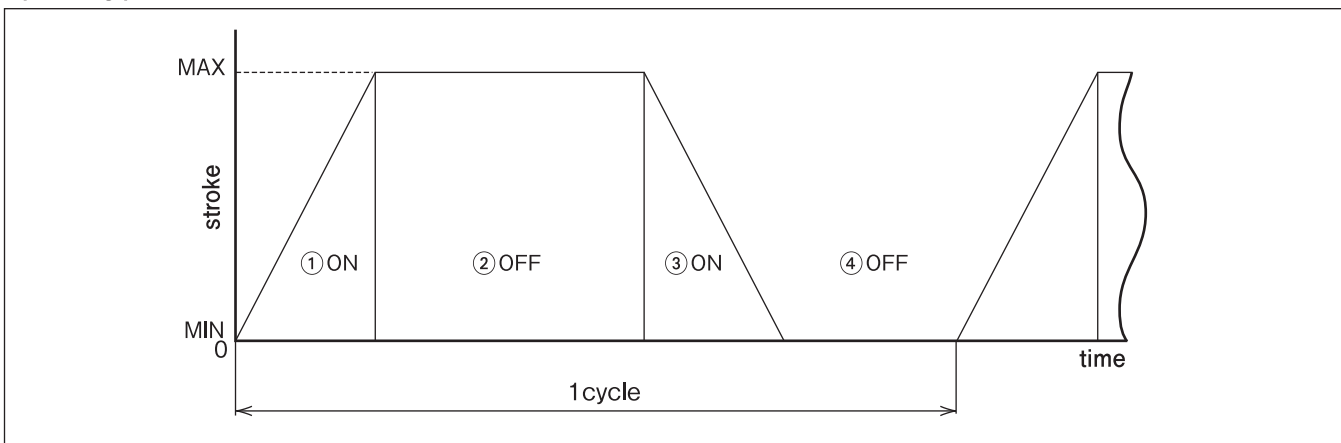
**Load conditions per jack** (see the bellow figure)

① ON	Dynamic load _____ kN/jack Load direction: <input type="checkbox"/> Compressive load <input type="checkbox"/> Tension load	• Lifting speed _____ mm/min • Operating time: _____ sec. _____ min. • Input rotation speed _____ min <sup>-1</sup>
② OFF	Static load _____ kN/jack Load direction: <input type="checkbox"/> Compressive load <input type="checkbox"/> Tension load	• Non-operating time: _____ sec. _____ min.
③ ON	Dynamic load _____ kN/jack Load direction: <input type="checkbox"/> Compressive load <input type="checkbox"/> Tension load	• Lifting speed _____ mm/min • Operating time: _____ sec. _____ min. • Input rotation speed _____ min <sup>-1</sup>
④ OFF	Static load _____ kN/jack Load direction: <input type="checkbox"/> Compressive load <input type="checkbox"/> Tension load	• Non-operating time: _____ sec. _____ min.

• Service frequency:	_____ reciprocations/min _____ reciprocations/day	_____ reciprocations/hour _____ days/year
• Expected life:	_____ years	

• Mounting conditions in case of compressive load: <input type="checkbox"/> Jack fixed – shaft end free <input type="checkbox"/> Jack supported – shaft end supported <input type="checkbox"/> Jack fixed – shaft end supported	• Side Force: <input type="checkbox"/> None <input type="checkbox"/> Applied _____ N
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**Operating pattern**



## Inquiry Form about Jack: Required Specifications 2/2

• Mounting	<input type="checkbox"/> Vertical	<input type="checkbox"/> Horizontal
• Profile	<input type="checkbox"/> Upright	<input type="checkbox"/> Inverted
• Dust-proof bellows	<input type="checkbox"/> Necessary	<input type="checkbox"/> Not necessary
• Lifting type	<input type="checkbox"/> Translating (screw shaft)	<input type="checkbox"/> Traveling nut type
		Orientation of traveling nut <input type="checkbox"/> Upward <input type="checkbox"/> Downward
• Anti-rotation key	<input type="checkbox"/> Necessary	<input type="checkbox"/> Not necessary
• End fitting	<input type="checkbox"/> No fitting	<input type="checkbox"/> Plain end
	<input type="checkbox"/> Clevis	<input type="checkbox"/> Flange

• Driving power source	<input type="checkbox"/> Manual	<input type="checkbox"/> Need handwheel (diameter          mm)	<input type="checkbox"/> No handwheel
	<input type="checkbox"/> General-purpose motor		
	<input type="checkbox"/> Geared motor	(Geared motor reduction ratio: $i =$ )	
	<input type="checkbox"/> Servo motor		
• Motor	<input type="checkbox"/> Direct-connected	<input type="checkbox"/> On the right ( Power:          kW )	<input type="checkbox"/> On the left ( Power source:          phase          P )
	<input type="checkbox"/> Separate (          V          Hz)		
• Arrangement by	<input type="checkbox"/> Yourself	<input type="checkbox"/> Nippon Gear ( <input type="checkbox"/> With brake <input type="checkbox"/> Without brake )	

• Control Accessories	<input type="checkbox"/> Not necessary			
	<input type="checkbox"/> Necessary	<input type="checkbox"/> Limit switch	<input type="checkbox"/> 2 contacts	<input type="checkbox"/> 4 contacts
			<input type="checkbox"/> RF <input type="checkbox"/> RU <input type="checkbox"/> RR <input type="checkbox"/> RD )	
			<input type="checkbox"/> LF <input type="checkbox"/> LU <input type="checkbox"/> LR <input type="checkbox"/> LD )	
		<input type="checkbox"/> RC encoder	( Product code: Mounting direction symbol <input type="checkbox"/> R <input type="checkbox"/> L )	

• Usage environment	<input type="checkbox"/> Indoor	<input type="checkbox"/> Outdoor	( <input type="checkbox"/> Exposed to rain <input type="checkbox"/> Not exposed to rain )	
	-Dust level	<input type="checkbox"/> No dust	<input type="checkbox"/> Low dust level	<input type="checkbox"/> High dust level
• Ambient temperature	°C ~          °C			
• Vibration/Shock	<input type="checkbox"/> None, quiet environment			
	<input type="checkbox"/> Light vibration/shock			
	<input type="checkbox"/> Heavy vibration/shoc			
• Corrosion-resistant screw	<input type="checkbox"/> Not necessary			
	<input type="checkbox"/> Necessary	( <input type="checkbox"/> SUS 304 <input type="checkbox"/> SUS420 )		
• Seal structure	<input type="checkbox"/> Not necessary	<input type="checkbox"/> Necessary		

Preferred date of delivery:

Filled by:

Signature /Seal